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TITLE : FIRERETARDANT RESIN MAGNET

ABSTRACT : PURPOSE: To enable flameproofing by coating the surface of alloy magnet powder with an oxidation-resistant film.

CONSTITUTION: In a resin magnet obtained by molding a composition consisting of alloy magnet powder mainly comprising a rare earth metal and cobalt, a flame retardant and an organic high molecular binder, the surface of alloy magnet powder is coated with an oxidation-resistant film. Rare earth alloy magnet powder mainly comprises samarium, cerium, yttrium and other rare earth metals and cobalt, and a powder magnet is acquired by pulverizing an alloy containing zirconium, copper, iron and others as required. Nickel, chromium, other oxidation-resistant metals, low melting-point glass, other inorganic oxides, polyimide, polyphenylene, other heat-resistant high-molecular compounds, etc. are used as a coating. Accordingly, the fireretardant resin magnet having largely improved flame resistance is obtained.

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